WHAT IS CLAIMED IS

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- 1. A process of preparing an organic composition for enhancing valuable agronomic traits in plants, comprising:
 - a) fermenting fish to produce a soluble fish protein hydrolysate (SFPH),
- b) adding homogenized seaweed to the SFPH to produce a volume so that at least about 1% but less than about 20% of the volume is seaweed,
- c) fermenting the volume to hydrolyse the seaweed and to further hydrolyse the SFPH, and
- d) separating a resulting top layer from the volume, which top layer is the organic composition for increasing valuable agronomic traits in plants.
- 2. A method of preparing an organic composition according to claim 1 further comprising adding an acid selected from the group consisting of lactic, citric, acetic, and malic to the fish
 to enhance fermenting the fish.
 - 3. A method of preparing an organic composition according to claim 2 further comprising adding formic acid to the fish to enhance fermenting the fish.
- 4. A method of preparing an organic composition according to claim 1 wherein a majority portion of the fish are pelagic fish species.
 - 5. A method of preparing an organic composition according to claim 3 wherein at least about 30% of the fish are selected from the group consisting of capelin, herring and menhaden.
 - 6. A method of preparing an organic composition according to claim 1 wherein a duration of step a), fermenting fish, proceeds for a period of time between about three (3) and about ten (10) days.
- 30 7. A method of preparing an organic composition according to claim 1 wherein a duration of step a), fermenting fish, proceeds for between about three (3) and about ten (10) days; and a duration of step c), fermenting the volume to hydrolyse the seaweed and to further hydrolyse the SFPH, proceeds for a period of time between about five (5) and about twenty (20) days.

- 8. A method of preparing an organic composition according to claim 5 wherein a duration of step a), fermenting fish, proceeds for a period of time between about three (3) and about ten (10) days.
- 9. A method of preparing an organic composition according to claim 5 wherein a duration of step a), fermenting fish, proceeds for between about three (3) and about ten (10) days; and a duration of step c), fermenting the volume to hydrolyse the seaweed and to further hydrolyse the SFPH, proceeds for a period of time between about five (5) and about twenty (20) days.
- 10. A method of preparing an organic composition according to claim 9 wherein at least about 30% of the seaweed added in step b) is of the genus *Laminaria* (PHEOPHYCEES).
 - 11. A method of preparing an organic composition according to claim 10 wherein the homogenized seaweed comprises at least about 50% geothermal water.

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- 12. A method of preparing an organic composition according to claim 10 wherein steps a) and c) are substantially performed at a temperature between about 12°C and about 32°C.
- 13. A method of preparing an organic composition according to claim 11 wherein steps a)
 20 and c) are substantially performed at a temperature between about 18°C and about 28°C, and the resulting top layer amounts to between about 30% and about 50% of the volume.
 - 14. An organic composition product for enhancing valuable agronomic traits in plants, produced by the process of:
 - a) fermenting fish to produce a soluble fish protein hydrolysate (SFPH),
 - b) adding homogenized seaweed to the SFPH to produce a volume so that at least about 1% but less than about 20% of the volume is seaweed,
 - c) fermenting the volume to hydrolyse the seaweed and to further hydrolyse the SFPH, and
- d) separating a resulting top layer from the volume which is the organic composition for increasing valuable agronomic traits in plants.

- 15. An organic composition product for increasing valuable agronomic traits in plants, produced by the process of claim 14, wherein a majority portion of the fish are pelagic fish species.
- 5 16. An organic composition product for increasing valuable agronomic traits in plants, produced by the process of claim 15 wherein a duration of step a), fermenting fish, proceeds for between about three (3) and about ten (10) days; and a duration of step c), fermenting the volume to hydrolyse the seaweed and to further hydrolyse the SFPH, proceeds for a period of time between about five (5) and about twenty (20) days.

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17. An organic composition product for increasing valuable agronomic traits in plants, produced by the process of claim 16 wherein at least about 30% of the seaweed added in step b) is of the genus *Laminaria* (PHEOPHYCEES) and the homogenized seaweed comprises at least about 50% geothermal water.

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- 18. A method of applying an organic composition product, to enhance at least one valuable agronomic trait in a plant, produced by the process of:
 - a) fermenting fish to produce a soluble fish protein hydrolysate (SFPH),
- b) adding homogenized seaweed to the SFPH to produce a volume so that at least about 1% but less than about 20% of the volume is seaweed,
- c) fermenting the volume to hydrolyse the seaweed and to further hydrolyse the SFPH, and
- d) separating a resulting top layer from the volume which is the organic composition useful for enhancing valuable agronomic traits in plants.

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19. A method of applying an organic composition according to claim 18 wherein at least about 30% of the fish are selected from the group consisting of capelin, herring and menhaden, and a duration of step a), fermenting fish, proceeds for between about three (3) and about ten (10) days; and a duration of step c), fermenting the volume to hydrolyse the seaweed and to further hydrolyse the SFPH, proceeds for a period of time between about five (5) and about twenty (20) days.

20. A method of applying an organic composition according to claim 19 wherein at least about 30% of the seaweed added in step b) is of the genus *Laminaria* (PHEOPHYCEES) and the homogenized seaweed comprises at least about 50% geothermal water.

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